

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER P56907-INT U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 107545135
INTERNATIONAL APPLICATION NO. PCT/US2003/037086	INTERNATIONAL FILING DATE 11 December 2003	PRIORITY DATE CLAIMED 12 July 2002
TITLE OF INVENTION LOW PRESSURE DROP DEEP ELECTRICALLY ENHANCED FILTER		
APPLICANT(S) FOR DO/EO/US Rajan A. JAISINGHANI		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included: <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. Contained in the Declaration. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: * A copy of WO 2005/035133 A1 and the annexes of the International Preliminary Examination Report 		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 107545135		INTERNATIONAL APPLICATION NO. PCT/US2003/037086		ATTORNEY'S DOCKET NUMBER P56907-INT																									
<p>21. The following fees are submitted:</p> <table> <tr> <td><input checked="" type="checkbox"/> a) Basic national fee.....</td> <td>\$300.00</td> <td colspan="2">Applicant use</td> <td colspan="2">Office use only</td> </tr> <tr> <td><input checked="" type="checkbox"/> b) Examination fee.....</td> <td>\$200.00</td> <td colspan="2">\$ 300.00</td> <td colspan="2"></td> </tr> <tr> <td><input checked="" type="checkbox"/> c) Search fee.....</td> <td>\$500.00</td> <td colspan="2">\$ 200.00</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">TOTAL OF ABOVE CALCULATIONS =</td> <td colspan="2">\$1000.00</td> <td colspan="2">\$ 100.00</td> </tr> </table> <p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p>						<input checked="" type="checkbox"/> a) Basic national fee.....	\$300.00	Applicant use		Office use only		<input checked="" type="checkbox"/> b) Examination fee.....	\$200.00	\$ 300.00				<input checked="" type="checkbox"/> c) Search fee.....	\$500.00	\$ 200.00				TOTAL OF ABOVE CALCULATIONS =		\$1000.00		\$ 100.00	
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TOTAL OF ABOVE CALCULATIONS =		\$1000.00		\$ 100.00																									
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE																									
62	- 100 =	/50 =		x \$250.00	\$ n/a																								
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																													
CLAIMS		NUMBER FILED	NUMBER EXTRA	RATE																									
Total claims		24	- 20 =	x \$50.00	\$ 200.00																								
Independent claims		4	- 3 =	x \$200.00	\$ 200.00																								
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$360.00	\$ n/a																								
TOTAL OF ABOVE CALCULATIONS =				\$ 1,000.00																									
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by $\frac{1}{2}$.																													
SUBTOTAL = \$ 500.00																													
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).																													
TOTAL NATIONAL FEE = \$ 500.00																													
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																													
TOTAL FEES ENCLOSED = \$ 500.00																													
<table> <tr> <td>Amount to be refunded:</td> <td rowspan="2" style="background-color: #e0e0e0;">\$</td> </tr> <tr> <td>Amount to be charged</td> <td>\$</td> </tr> </table>						Amount to be refunded:	\$	Amount to be charged	\$																				
Amount to be refunded:	\$																												
Amount to be charged		\$																											
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>500.00</u> to cover the above fees is enclosed. (Check #49449)</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4943</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>																													
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																													
SEND ALL CORRESPONDENCE TO:																													
 SIGNATURE Robert E. Bushnell NAME 27,774 REGISTRATION NUMBER																													

FEE TRANSMITTAL

Patent fees are subject to annual revision.

Complete if Known

10/545135
to be assigned

Application Number	
Filing Date	10 August 2005
First Named Inventor	Rajan A. JAISINGHANI
I.A. Filing Date	11 December 2003
I.A. No.	PCT/US2003/037086

TOTAL AMOUNT OF PAYMENT	(\$) <u>500.00</u>	Attorney Docket No.	P56907-INT
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METHOD OF PAYMENT (check one)

1. Payment Enclosed:

(CHECK #49449)

Check Credit Card Money Order
 Other

 Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17. Applicant claims small entity status. See 37 CFR 1.272. The Commissioner is hereby authorized to charge any deficiency and credit any over payments to:Deposit Account Number: 02-4943

FEE CALCULATION

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
EXTENSION OF TIME FEES			
1251	120	2251 60 Extension for reply within first month	\$
1252	450	2252 225 Extension for reply within second month	\$
1253	1020	2253 510 Extension for reply within third month	\$
1254	1590	2254 795 Extension for reply within fourth month	\$
1255	2160	2255 1080 Extension for reply within fifth month	\$
APPEAL			
1401	500	2401 250 Notice of Appeal	\$
1402	500	2402 250 Filing a brief in support of an appeal	\$
1403	1000	2403 500 Request for oral hearing	\$
CLAIMS			
1614	200	2614 100 Independent claims in excess of 3	\$ 100.00
1615	50	2615 25 claims in excess of 20	\$ 100.00
PETITION			
1462			\$400
1463			\$200
1464			\$130
1452	\$500	2452 \$250 Petitions to Director (Group I)	\$
1453	\$1500	2453 \$750 Petitions to Director (Group II)	\$
1454			\$130 Petitions to Director (Group III)
PATENT MAINTENANCE			
1551	\$900	2551 \$450 Due at 3.5 years	\$
1552	\$2300	2552 \$1150 Due at 7.5 years	\$
1553	\$3800	2553 \$1900 Due at 11.5 years	\$
OTHER FEES			
Other Fee (specify)	\$	Other Fee (specify) 1631/2631 Basic National Stage Fee	\$150.00
Other Fee (specify)	\$	Other Fee (specify) 1641/2641 National Stage Search Fee	\$50.00
Other Fee (specify)	\$	Other Fee (specify) 1633/2633 National Stage Examination Fee	\$100.00

SUBTOTAL: LEFT COLUMN

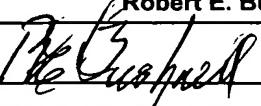
\$200.00

SUBTOTAL: RIGHT COLUMN

\$300.00

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name	Robert E. Bushnell, Esq.	Reg. Number	27,774
Signature		Date	10 August 2005

REB/ny

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

10/545135

DT09 Rec'd PCT/PTO 10 AUG 2005

PATENT
P56907-INT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Rajan A. JAISINGHANI

Serial No.: *to be assigned*

Examiner: *to be assigned*

International Application No.: PCT/US2003/037086

Filed: 10 August 2005

Art Unit: *to be assigned*

International Filing Date: 11 December 2003

For: LOW PRESSURE DROP DEEP ELECTRICALLY ENHANCED FILTER

TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT &
ANNEX

Mail Stop : PCT

Commissioner for Patents

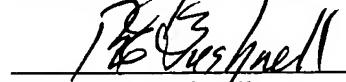
P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

This transmittal accompanies the International Preliminary Examination Report and the Annex for the above-referenced application.

Respectfully submitted,



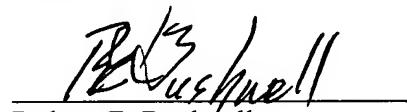
Robert E. Bushnell,
Attorney for the Applicant
Registration No.: 27,774

Suite 300, 1522 "K" Street, N.W.
Washington, D.C. 20005
(202) 408-9040

Folio: P56907-INT
Date: 10 August 2005
I.D.: REB/ny

In view of the above, entry and consideration by the Examiner of the references cited in the accompanying PTO-1449 are respectfully requested.

Respectfully submitted,



Robert E. Bushnell
Reg. No.: 27,774

1522 "K" Street, N.W., Suite 300
Washington, D.C. 20005
Area Code: (202) 408-9040

Folio: P56907-INT
Date: 8/10/05
I.D.: REB/ny